

COURSE DETAIL

ASTROBIOLOGY

Country

United Kingdom - Scotland

Host Institution

University of Edinburgh

Program(s)

University of Edinburgh

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

ASTROBIOLOGY

UCEAP Transcript Title

ASTROBIOLOGY

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

Astrobiology is an interdisciplinary science that examines the origin, evolution, distribution, and future of life in the universe. Areas that fall within its boundaries include the formation of planets and stars, the development of habitable conditions on planets, the origin of life, the evolution of life, life's limits in extreme environments, and the potential for life on other planets. The course provides a framework for introducing a wide range of topics in astronomy, physics, earth sciences, chemistry, and biology at introductory level. Students study the structure of life, the origin of life, past and present conditions on Mars and icy worlds such as Europa, the search for extrasolar planets, and the possibility of detecting signatures of life elsewhere.

Language(s) of Instruction

English

Host Institution Course Number

PHYS08051

Host Institution Course Title

ASTROBIOLOGY

Host Institution Campus

Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department

Physics and Astronomy

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